

APPENDIX

Changes to Claims:

Claims 27-28 are added.

10. (Amended) An electronic device having an active-matrix liquid crystal display for an electronic device, comprising:

an active matrix substrate for fabricating a first group of pixel electrodes that are aligned in a prescribed direction and are supplied with picture signals of a first polarity, and a second group of pixel electrodes that are aligned to adjoin with the first group of pixel electrodes respectively and are supplied with picture signals of a second polarity;

an opposite substrate that is arranged oppositely to the active matrix substrate;

a liquid crystal layer having a positive dielectric anisotropy that is held between the active matrix substrate and the opposite substrate; and

a first orientation film that is formed on a surface of the active matrix substrate by effecting an orientation process in a first orientation direction (Ra) in relation to alignment directions of the first and second groups of pixel electrodes, so that a pre-tilt angle ranging from 3° to 30° is imparted to liquid-crystal molecules lying in proximity to the active matrix substrate; and

~~a second orientation film that is formed on a surface of the opposite substrate by effecting an orientation process in a second orientation direction (Rb) that crosses with the first orientation direction with a right angle therebetween.~~

11. (Amended) An electronic device active-matrix liquid crystal display according to claim 10 further comprising a second orientation film (42) that is formed on a surface of the opposite substrate by effecting an orientation process in a second orientation direction (Rb) that crosses with the first orientation direction with a right angle therebetween, wherein the first and second orientation direction are respectively slanted by an angle of about 45° against

the alignment directions of the first and second groups of pixel electrodes, and wherein one of the first and second orientation directions is directed towards the first group of pixel electrodes in plan view, while the other is directed towards the second group of pixel electrodes in plan view.

12. (Amended) ~~An electronic device active-matrix liquid-crystal display~~ according to claim 10, wherein the pre-tilt angle ranging from 3° to 30° is imparted to liquid-crystal molecules lying in proximity to the active matrix substrate by forming pillar structures that are made of an inorganic material and are slanted in a specific direction on the active matrix substrate.

13. (Amended) ~~An electronic device active-matrix liquid-crystal display~~ according to claim 10, wherein the pre-tilt angle ranging from 3° to 30° is imparted to liquid-crystal molecules lying in proximity to the active matrix substrate by forming mixtures of first and second pillar structures that are made of an inorganic material and are respectively slanted in different directions in plan view on the active matrix substrate.

14. (Amended) ~~An electronic device active-matrix liquid-crystal display~~ according to claim 10, wherein a planarization process is performed on prescribed regions for wiring signal lines driving the pixel electrodes and other regions for arranging the pixel electrodes on the active matrix substrate.

15. (Twice Amended) ~~The electronic device An active-matrix liquid-crystal display~~ according to claim 10, which ~~wherein the electronic device~~ is a projector comprising ~~using~~ a light modulator for modulating light to be projected onto a screen by the active-matrix liquid crystal display.

22. (Twice Amended) An active-matrix liquid crystal display according to claim 19, wherein the liquid-crystal molecules lying in proximity to the active matrix substrate are ~~initially oriented in a specific direction (Ra)~~ in the non-power mode in such a way that the

long-axis directions thereof ~~are slanted against~~ cross with alignment directions of the first and second groups of pixel electrodes ~~on the active matrix substrate~~, and wherein other liquid-crystal molecules contained in the liquid crystal layer are twisted in such a way that the long-axis directions thereof extend from the active matrix substrate to the opposite substrate and lie across the first and second groups of pixel electrodes ~~on the active matrix substrate~~ in plan view.

23. (Amended) An electronic device having an active-matrix liquid crystal display for an ~~electronic device,~~ comprising:

an active matrix substrate for fabricating a first group of pixel electrodes that are aligned in a prescribed direction and are supplied with picture signals of a first polarity, and a second group of pixel electrodes that are aligned to adjoin with the first group of pixel electrodes respectively and are supplied with picture signals of a second polarity;

an opposite substrate that is arranged oppositely to the active matrix substrate; and

a liquid crystal layer that is held between the active matrix substrate and the opposite substrate,

wherein liquid-crystal molecules contained in the liquid crystal layer are subjected to prescribed orientations in a non-power mode in such a way that a first pre-tilt angle, which ranges from 3° to 30°, imparted to liquid-crystal molecules lying in proximity to the active matrix substrate becomes larger than a second pre-tilt angle imparted to liquid-crystal molecules lying in proximity to the opposite substrate.

24. (Amended) An electronic device ~~active-matrix liquid crystal display~~ according to claim 23, wherein the liquid-crystal molecules lying in proximity to the active matrix substrate are initially oriented in a specific direction (Ra) in the non-power mode in such a way that the long-axis directions thereof are made substantially parallel with alignment directions of the first and second groups of pixel electrodes on the active matrix substrate.

25. (Amended) ~~An electronic device~~active-matrix liquid-crystal display according to claim 23, wherein the liquid-crystal molecules lying in proximity to the active matrix substrate are ~~initially oriented in a specific direction (Ra) in the non-power mode in such a way that the long-axis directions thereof are slanted against~~cross with alignment directions of the first and second groups of pixel electrodes on the active matrix substrate, and wherein other liquid-crystal molecules contained in the liquid-crystal layer are twisted in such a way that the long-axis directions thereof extend from the active matrix substrate to the opposite substrate and lie across the first and second groups of pixel electrodes on the active matrix-substrate in plan view.

26. (Twice Amended) ~~The electronic device~~An active-matrix liquid-crystal display according to claim 23, ~~which~~wherein the electronic device is a projector comprisingusing a light modulator for modulating light to be projected onto a screen by the active-matrix liquid crystal display.